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1977-03

Naval Postgraduate School Graduation Exercises / Class of March 1977

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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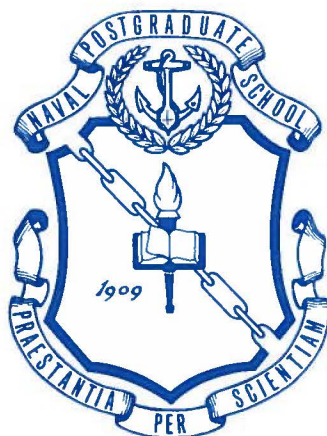


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NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

GRADUATION EXERCISES

FRIDAY AFTERNOON

MARCH 25, 1977

AT THREE O'CLOCK

Ref
V422
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1971-

Superintendent
ISHAM LINDER
Rear Admiral, United States Navy

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NAVAL POSTGRADUATE SCHOOL
MONTEREY, CA 93940

Provost
JACK R. BORSTING
Doctor of Philosophy

Director of Programs
JOSEPH M. BARRON
Captain, United States Navy

Dean of Information and Policy Sciences
DAVID A. SCHRADY
Doctor of Philosophy

Dean of Science and Engineering
ROBERT R. FOSSUM
Doctor of Philosophy

MISSION

"To conduct and direct advanced education of commissioned officers and to provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval Service; and, in support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence."

the program

PROCESSIONAL

Professor ALFRED W.M. COOPER Grand Marshal
Professor RUSSEL H. STOLFI Marshal
Professor JAMES M. FREMGEN Marshal
Lieutenant Colonel NEIL P. MILLER, U.S. Marine Corps Marshal

NATIONAL ANTHEM

INVOCATION

Commander JOHN J. GLYNN, CHC, U.S. Navy

INTRODUCTION OF SPEAKER

Rear Admiral ISHAM LINDER, U.S. Navy

ADDRESS TO GRADUATES

Rear Admral DONALD P. HARVEY, U.S. Navy
Director of Naval Intelligence

PRESENTATION OF AWARDS

Navy League of Monterey Award
Director of Naval Intelligence Award
CNO Communications Award
CNO Communications Certificate
CNO Antisubmarine Warfare Award
CNO Award for Excellence in Operations Research
Naval Sea Systems Command Award in Naval Engineering

PRESENTATION OF CANDIDATES BY DEPARTMENT CHAIRMEN

ANNOUNCEMENT OF DEGREES

Rear Admiral ISHAM LINDER, U.S. Navy
Provost JACK R. BORSTING

BENEDICTION

Commander JOHN J. GLYNN, CHC, U.S. Navy

RECESSIONAL



platform party

FIRST ROW (left to right)

Commander John J. Glynn
CHC, U.S. Navy
Chaplain, Naval Postgraduate School

Colonel Louis A. Bonin
United States Marine Corps

Provost Jack R. Borsting
Provost, Naval Postgraduate School

Rear Admiral Isham Linder, U.S. Navy
Superintendent, Naval Postgraduate School

Rear Admiral Donald P. Harvey
U.S. Navy
Director of Naval Intelligence

Rear Admiral R.G. Freeman
United States Navy

Colonel John Ford
United States Air Force

Mrs. Jane Herbst
President, Monterey Peninsula Council
of the Navy League

Captain Joseph M. Barron, U.S. Navy
Director of Programs, Naval
Postgraduate School

SECOND ROW

Professor Carl R. Jones
Department of Administrative Sciences

Professor K.E. Woehler
Department of Physics and Chemistry

Professor R.N. Forrest
Antisubmarine Warfare Group

Professor Dale F. Leipper
Department of Oceanography

Professor George J. Haltiner
Department of Meteorology

Commander Charles P. Gifford
Department of Computer Science

Professor Michael G. Sovereign
Department of Operations Research

Professor Allen E. Fuhs
Department of Mechanical Engineering

Professor Richard W. Bell
Department of Aeronautics

Professor Donald E. Kirk
Department of Electrical Engineering

Professor P.J. Parker
Department of National Security Affairs

awards

NAVY LEAGUE OF MONTEREY AWARD for ACADEMIC ACHIEVEMENT

Lieutenant Commander JOHN D. DONELAN, U.S. Naval Reserve

DIRECTOR OF NAVAL INTELLIGENCE AWARD

Lieutenant Commander ROBERT W. PETERSON, U.S. Navy

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS AWARD

Lieutenant RICHARD W. MAYO, U.S. Navy

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS CERTIFICATE

Lieutenant Commander JOSEPH K. HENDERSON, U.S. Navy

CHIEF OF NAVAL OPERATIONS ANTISUBMARINE WARFARE AWARD

Lieutenant DONALD C. KENGLA, U.S. Navy

CHIEF OF NAVAL OPERATIONS AWARD for EXCELLENCE IN OPERATIONS RESEARCH

Lieutenant Commander NORMAN M. JOHNSON, U.S. Navy

NAVAL SEA SYSTEMS COMMAND AWARD in NAVAL ENGINEERING

Lieutenant JAMES A. BOLAND, U.S. Navy

NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRMEN

Professor GEORGE J. HALTNER

Meteorology

Professor DONALD E. KIRK

Electrical Engineering

Professor CARROLL O. WILDE

Mathematics

Professor MICHAEL G. SOVEREIGN

Operations Research

Professor PATRICK J. PARKER

National Security Affairs

Professor RICHARD W. BELL

Aeronautics

Professor DALE F. LEIPPER

Oceanography

Professor ALLEN E. FUHS

Mechanical Engineering

Professor K.E. WOEHLE

Physics and Chemistry

Commander CHARLES P. GIBFRIED, USN

Computer Science

Professor CARL R. JONES

Administrative Science

NAVAL POSTGRADUATE SCHOOL CURRICULAR OFFICERS

Lieutenant Commander JOSEPH H. CYR, JR., U.S. Navy

Operations Research/Systems Analysis

Commander LEO A. LUKENAS, U.S. Navy

Aeronautical Engineering

Commander CARLYSLE J. THOMAS, U.S. Navy

Electronics and Communications

Commander EDWARD J. MAHON, U.S. Navy

Weapons Engineering

Lieutenant Commander ROBERT C. WILLEMS, U.S. Navy

Antisubmarine Warfare

Commander ROBERT L. WARTERS, U.S. Navy

Naval Engineering

Commander JERRY D. JARRELL, U.S. Navy

Environmental Sciences

Commander JAMES T. FLEMING, U.S. Navy

Administrative Sciences

Commander WINDOM L. ESTES, U.S. Navy

Computer Technology

Commander THOMAS H. BARR, U.S. Navy

Naval Intelligence

the graduates

*Those officers whose names are preceded by an * are being given their degrees in absentia.*

CERTIFICATE OF COMPLETION

FAZEL, Shahin, LTJG, Imperial
Iranian Navy

POURSIAMI, Shirin, LTJG, Imperial
Iranian Navy

LARIJANI, Masteneh, LTJG, Imperial
Iranian Navy

VAEZI, Soraya, LTJG, Imperial
Iranian Navy

NOROOZI, Azar, LTJG, Imperial
Iranian Navy

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

CARINIOTAKIS, Constantinos, LT,
Hellenic Navy

RAPANTZIKOS, Eleftherios, LT,
Hellenic Navy

BACHELOR OF SCIENCE IN OCEANOGRAPHY

*WHITE, Linda J., LCDR, USN

MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

McBARRON, Robert J., MAJ, USAF

KELLY, James Brian P., LT, USN

RATLEY, Lonnie O., III, CAPT, USAF

LAKE, Gerald E., LT, USN

REESE, James W., CAPT, USAF

*LONG, Stephen T., LT, USN

APFEL, Christine M., LCDR, USN

MIDDLEHURST, James R., LT, USN

CHRISMAN, Willard G., LCDR, USN

MONTANA, Richard T., LCDR, USN

*DUNN, Vance G., LT, USN

MUELLER, James W., LCDR, USN

HILL, Karen D., LT, USN

NABERS, Wallace J., LT, USN

JACOBY, Lowell E., LT, USN

NYE, Eric B., LT, USN

KAUFHOLD, Francis F., LCDR, USN

REID, Katherine V., LTJG, USN

KELLY, Frank B., LT, USN

PETERSON, Robert W., LCDR, USN

MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS (Continued)

RICHARDSON, Arthur L., LT, USN
ROLLINS, David C., LT, USN
SMITH, Jack R., LT, USN

SYKES, William G., LT, USN
TURNER, Bonnie L., LCDR, USN

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

BORRIES, William G., LT, USN
CAMPBELL, Bruce A., LT, USN
CORNETT, Billy II, LT, USN
FRICKE, Harold J., Jr., LCDR, USN
HOULE, Normand A., LT, USN

McCRORY, Seaborn M., III, LCDR, USN
ROSENBERGER, Dale K., LT, USN
STAMPS, David W., LCDR, USN
YOUNG, David K., LT, USN

MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

ARANCIBIA, Pedro P., LT, Chilean Navy
ATKINSON, John S., Jr., LT, USN
BENTLEY, Richard A., LT, USN
CLINE, John H., LT, USN
FINCH, Donald L., LCDR, USN
HEWLETT, Holden W., LCDR, USN
KLINE, John J., LT, USN

LASHBROOK, Daniel F., LT, USN
MILCHANOWSKI, Michael J., LT, USN
NICHOLS, Raymond J., Jr., LT, USN
PICKELSIMER, Billy M., LT, USN
PIERCE, Cole J., LCDR, USN
POWRIE, Stuart R., LT, USN

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

BOLAND, James A., LT, USN
BRUNS, Wolfgang M., LCDR, Federal German Navy

HENNING, Peter J., LT, USN

MASTER OF SCIENCE IN OPERATIONS RESEARCH

BAUMGARTNER, William E., LT, USN
CHOI, Boo Wong, LCOL, Republic of Korea Army
COONS, William E., LT, USN
DONELAN, John O., LCDR, USNR
GOODMUNDSON, Gary C., LT, USN
JANSE, Anthony L., LCDR, USN
JOHNSON, Norman M., LCDR, USN
KIM, Chung Young, LCOL, Republic of Korea Army
LAIDLAW, Charles E., LCDR, USN
LEE, Young Woo, LCOL, Republic of Korea Air Force
LEHMANN, Bernd, LCDR, Federal German Navy

MADEL, Robert W., LT, USN
MILLEDGE, Wayne J., LT, USN
MOWBRAY, James F., LCDR, USN
NGANDANI, COL, Indonesian Army
PARKER, David J., LT, USN
PRATT, James W., LT, USN
QUINN, Richard E., Jr., LT, USN
RASHID, Abdur, LT, Pakistan Air Force
SCHREIBER, Robert A., LT, USN
SIMMONS, John W., II, LT, USN
WALLS, William H., LCDR, USN
WIEGAND, Rudolf P., Jr., LCDR, USN
MAYNARD, Teddy R., LT, USN

MASTER OF SCIENCE IN COMPUTER SCIENCE

ANZELMO, Ralph H., CAPT, USMC
BROWN, Kenneth J., CAPT, USMC
CRAIG, Alan S., CAPT, USMC
BULLOCK, David R., LT, USN
BURNS, Allen D., LT, USN
*GOMEZ, Daniel S., LT, USN

GRAY, Ronald E., LCDR, USN
HOGAN, Walton L., Jr., LT, USN
KAYE, Theodore L., LT, USN
LOUGH, Dennis E., LCDR, USN
RUSSELL, Joan M., LT, USN

MASTER OF SCIENCE IN METEOROLOGY

HAYES, John L., CAPT, USAF
PAINE, Richard H., CAPT, USAF

MAAS, EDWIN, Jr., LT, USN
SCHWENKE, George W., LT, USN

MASTER OF SCIENCE IN METEOROLOGY AND OCEANOGRAPHY

*HULTSTRAND, Victor S., LT, USN

IHLI, Carl B., Jr., LT, USN

MASTER OF SCIENCE IN OCEANOGRAPHY

CUMMINGS, Walter J., LT, USN

GALDORISI, George V., LT, USN

*HANDLERS, Robert G., LT, USN

MALLGRAVE, Fred J., III, LT, USN

*McREYNOLDS, Darwin J., LT, USN

NELSON, Lawrence W., LCDR, USN

TAYLOR, James E., LT, USN

MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY

ARNOTE, Stanley D., LT, USN

BRENNAN, Samuel H., Jr., LT, USN

*CAHILL, David B., LCDR, USN

ELSEN, Morris E., LT, USN

EVANS, Robert B., Jr., LT, USN

FEDER, John H., LT, USN

FENN, Marshall R., LT, USN

GREEN, Kevin P., LT, USN

KENGLA, Donald C., LT, USN

LANG, Robert E., LCDR, USN

*MADDEN, Lewis D., LCDR, USN

MITCHELL, Larry J., LT, USN

MULDOON, Patrick M., LCDR, USN

NELSON, Gary S., LT, USN

PHILLIPS, Thomas L., LT, USN

PURCELL, Richard L., LT, USN

ROOT, Stephen L., LT, USN

SHICKLE, David L., LT, USN

MASTER OF SCIENCE IN PHYSICS

KOWALICK, Stephen J., Jr., LCDR,
USN

MOORE, Richard W., LCDR,
USN

MASTER OF SCIENCE IN MANAGEMENT

BABIN, Billy T., CAPT, USMC

McLAUGHLIN, Robert J., MAJ,
USMC

ARNOLD, William K., Jr., CDR, USN

BERTHIAUME, William F.H., LT, USN

*BERZINS, Aivars T., LCDR, USN

BOHANNAN, James G., LT, USN

BURKETT, Hugh A., LCDR, USN

CHADICK, Wayne L., CDR, USN

COHEN, Barry L., LT, USN

COONEY, Terence J., LCDR, USN

CURTIS, Elmer R., LCDR, USN

DIPASQUALE, Joseph A.

DOUCETTE, Ronald W.

EBRIGHT, Arthur L., LT, USN

FITZGERALD, John S., LCDR, USN

GAY, Donald C.

HAMILTON, Thomas A.

HAWXHURST, Jack M., LT, USN

*HENDERSON, Joseph K., LCDR, USN

HENNING, Peter J., LT, USN

HUNTER, Curtis S., Jr., LCDR, USN

HUTCHISON, John W., LT, USN

KING, William W., CDR, USN

LAACK, Dennis R., CDR, USN

LEMON, Harvey B., LCDR, USN

MARTIN, John F., III, LT, USN

MASTEN, Robert L., LCDR, USN

MAYO, Richard W., LT, USN

McCLAIN, John F., III, LT, USN

*McCLURE, Thomas D., LCDR, USN

MONAHAN, David W., LCDR, USN

NASH, David J., LCDR, USN

NEWTON, Clifford C., LT, USN

PARKER, Jimmie R., CDR, USN

PATTERSON, Ronald G., LCDR, USN

STAMPS, David W., LCDR, USN

WALKER, Henry E., Jr., CDR, USN

WATERMAN, William L., LCDR, USN

WILLSEY, John M., CDR, USN

WITT, Theodore C.W., LCDR, USN

WITTMANN, William W., LT, USN

ELECTRICAL ENGINEER

*BELROSE, Benjamin G., LT, USN

HAMMAR, Jonathan A., LT, USN

*McCORMACK, Jerry W., LT, USN

AERONAUTICAL ENGINEER

ARANCIBIA, Pedro P., LT, Chilean Navy

THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School had a modest beginning at the Naval Academy at Annapolis in 1909, at which time the first class of ten officers enrolled in the School of Marine Engineering. In 1912, the School was designated the Postgraduate Department of the Naval Academy, and the scope of its engineering curricula was broadened to include Ordnance, Naval Construction and Civil Engineering.

After a suspension of operations during World War I, the Postgraduate Department resumed operations in 1919; two years later it was officially designated the "Naval Postgraduate School." A further extension of its curricula and the growth of its enrollment took place in the years between the two World Wars.

In 1927, the General Line Course was started within the Postgraduate School to acquaint junior line officers with modern developments taking place in the Navy and to broaden their professional knowledge by means of integrated courses in naval science.

World War II caused an increase in enrollment in the Engineering curricula from about 125 to over 600 and a tremendous expansion of activity in contrast to the complete suspension of operations during World War I. After hostilities ceased in 1945, a program was initiated to relocate the Postgraduate School and improve its professional status. Between 1945 and 1948, legislation was passed establishing the School as a separate activity under its own Superintendent; creating the office of Academic Dean; granting the Superintendent the right to award Bachelor's, Master's and Doctor's degrees; authorizing the re-establishment at Monterey, California, and purchasing the Del Monte site. The move to Monterey was commenced in 1948 and completed in 1951.

In 1956, the Navy Management School was established as a component of the Postgraduate School. Its mission was to provide graduate education for Naval officers in the theories, philosophies and application of scientific methods of management specifically oriented to the Navy in order to advance efficiency and economy of operation afloat and ashore. In August 1960, the Management School curriculum was lengthened from a five to a ten-month course leading to a Master's degree for those who could meet the requirements for such a degree.

In 1958, the General Line School was redesignated as the General Line and Naval Science School and a Bachelor of Science curriculum was offered to meet the educational and career requirements of selected officers who did not have baccalaureate degrees. Further developments in the undergraduate program resulted in recognition of the need for a Bachelor of Arts curriculum, which was subsequently inaugurated in the General Line and Naval Science School in August 1961.

A major internal reorganization was approved by the Chief of Naval Personnel and became effective on 3 August 1962. The three component schools were consolidated into a single unified Postgraduate School, with academic operations under the direction of a Director of Programs (military) and a Dean of Programs (civilian). The reorganization in no way changed the curricula offered, but achieved unity of policy and gave emphasis to the educational programs required for the Navy.

academic dress

The cap and gown and colorful hood so prominent in commencement ceremonies resemble to some extent articles of dress worn by church and university dignitaries in the Middle Ages. The cap and gown indicate that the wearer is a member of a university or college. The hood shows the degree the wearer holds.

The gown for the bachelor's degree has pointed sleeves and is designed to be worn closed. The master's gown has closed sleeves, square at the end, the arms coming through a slit at the elbow; it may be worn open or closed. The doctor's gown has bell-shaped sleeves and may be worn open or closed. Down the front the doctor's gown has a facing of velvet and three bars of the same material on each sleeve. The facing and bars may be either black or the color distinctive of the subject to which the degree pertains. The cap is worn for all degrees; the doctor may wear a golden tassel.

Hoods are normally black with a colorful lining rolled outward. Bachelor's hoods are three feet long, master's three and one half feet, and doctor's four feet.

For all academic purposes, including trimmings for the doctor's gown, edgings of hoods, and tassels of caps, the colors associated with the different subjects are as follows:

Agriculture	Maize	Library Science	Lemon
Arts, Letters, Humanities	White	Music	Pink
Business, Commerce	Drab	Pharmacy	Olive Green
Education	Light Blue	Philosophy	Dark Blue
Engineering	Orange	Physical Education	Sage Green
Forestry	Russet	Science	Golden Yellow
Home Economics	Maroon	Theology	Scarlet
Law	Purple	Veterinary Science	Gray

The silk or satin lining of the hood is the color or colors of the university or college which conferred the degree. Some have a slash or chevron of contrasting color. For example:

University Granting Degree	Lining	Slash or Chevron
University of Wisconsin	Bright Red	
University of Minnesota	Old Gold	Maroon
Yale University	Blue	
University of California	Gold	Yale Blue
University of Washington	Purple Above Gold	
University of Oregon	Lemon Yellow	Dark Green
New York University	Violet	
Stanford University	Cardinal	
Columbia University	Light Blue	White
University of Michigan	Maize	Blue
University of Texas	White Above Orange	Burnt Orange
Duke University	Royal Blue	White
Cornell University	Cardinal	Two White
Harvard University	Crimson	
Michigan State University	Green	White
Iowa State University	Gold Above Cardinal	
State University of Iowa	Old Gold	
Oregon State University	Burnt Orange	
Lewis and Clark College	Princeton Orange	Black, Orange
University of Denver	Cardinal	Gold

The Naval Postgraduate School hood has a satin lining of dark blue with a gold chevron.

